

# Claims

- [c1] An amplifier circuit suitable for amplifying an AM broadcast signal, the circuit comprising:  
FET means for amplifying the AM broadcast signal and reducing a flicker noise level in the amplifier below an N-MOS transistor equivalent flicker noise; and  
a tuning circuit operatively connected between the FET means and an output node of the amplifier circuit.
- [c2] The amplifier circuit of claim 1, wherein said FET means comprises two cascode-coupled P-MOS transistors.
- [c3] The amplifier circuit of claim 1, wherein said FET means comprises two cascode-coupled P-MOS transistors which receive, respectively, the AM broadcast signal and an AGC voltage.
- [c4] The amplifier circuit of claim 1, further comprising a DC-blocking capacitor,  
wherein the AM broadcast signal is coupled through the DC-blocking capacitor to the FET means at a gate of a P-MOS transistor contained therein.